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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/888,188	06/22/2001	I-Far Lin	LUC-308/Lin 1	8861
32205	7590	02/23/2005	EXAMINER	
PATTI & BRILL ONE NORTH LASALLE STREET 44TH FLOOR CHICAGO, IL 60602			SAM, PHIRIN	
			ART UNIT	PAPER NUMBER
			2661	

DATE MAILED: 02/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/888,188

Applicant(s)

LIN, I-FAR

Examiner

Phirin Sam

Art Unit

2661

– The MAILING DATE of this communication appears on the cover sheet with the correspondence address –

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 22 June 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 5-8 is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 22 June 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

  
**PHIRIN SAM**  
**PRIMARY EXAMINER**

## DETAILED ACTION

### *Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent 6,282,194 hereinafter referred to as "Cheesman" in view of US Patent 6,618,588 hereinafter referred to as "Easley".

Cheesman discloses the invention (**claim 1**) as claimed including a method comprising the steps of:

- (a) **directing a call intended for a mobile** (see Fig. 2, col. 5, lines 42-51) to a virtual tandem switch (see Fig. 2, col. 3, lines 20-27, col. 5, lines 30-40).
- (b) querying, by the virtual tandem switch (see Fig. 3, col. 6, line 67, col. 7, line 1-3), a home location register (HLR) to obtain call information for the mobile (see Fig. 3, col. 7, line 1-3).
- (c) setting up the call to the mobile over a packet-based transport network (see Figs. 3, 5, elements 50, WIRELESS CO, col. 8, lines 29-47, 52-67).

Cheesman does not disclose locating register (HLR) to obtain call information for the mobile. However, Easley discloses HLR to obtain call information for the mobile (see Fig. 1, element 30, col. 8, lines 33-67, col. 9, lines 1-12). At the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine HLR teaching by Easley with Cheesman. The motivation for doing so would have been to provide to store the information

related to a person/entity associated with a wireless unit read on column 8, lines 34-35.

Therefore, it would have been obvious to combine Easley and cheesman to obtain the invention as specified in the claim 1.

**Regarding claim 2**, Cheesman discloses the method further comprising the step of converting at least part of the call between a packet-based protocol for transport over the packet-based transport network and a non-packet-based protocol (see Fig. 2, col. 5, lines 30-40).

**Regarding claim 3**, cheesman discloses wherein the non-packet-based protocol is a time division multiplexed protocol (see col. 2, lines 1-16).

**Regarding claim 4**, Cheesman discloses all the limitations. On the other hand, Cheesman does not disclose the call is directed to the mobile while the mobile is roaming from its home service area. However, Easley discloses the call is directed to the mobile while the mobile is roaming from its home service area (see col. 2, lines 20-31, col. 3, lines 34-45). At the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine the call is directed to the mobile while the mobile is roaming from its home service area teaching by Easley with Cheesman. The motivation for doing so would have been to provide for calling party name and/or other information allocated with a wireless unit to be associated with mobile identity number (MIN). Therefore, it would have been obvious to combine Easley and Cheesman to obtain the invention as specified in the claim 4.

***Allowable Subject Matter***

3. Claims 5-8 are allowed.

***Conclusion***

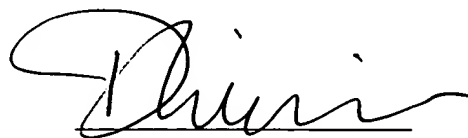
4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phirin Sam whose telephone number is (571) 272-3082. The examiner can normally be reached on Mon-Fri, 8:00AM - 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau T Nguyen can be reached on (571) 272 - 3126. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Respectfully submitted,

Date: February 20, 2005

A handwritten signature in black ink, appearing to read 'Phirin', written over a horizontal line.

**PHIRIN SAM  
PRIMARY EXAMINER**